

8/4/11 Box 4  
SC

THE HISTORY  
OF  
THE SCIENCE ASSOCIATION  
OF THE  
UNIVERSITY OF ALBERTA

1919 - 1952

c.2

**REF**

Q  
21  
H57  
1952  
c.1

ARCHIVES



Ex LIBRIS  
UNIVERSITATIS  
ALBERTÆNSIS

The Science Association  
of the  
University of Alberta  
1913 - 1962

The Science Association was formed as a result of a suggestion of the Mathematical Club. This club was in existence before the First World War, having been organized in 1913. After the great interest in science had shown itself during the war it was felt that an organization of all the sciences was desirable. The first meeting was held on December 1st, 1918. There were twenty-three charter members. At present there are one hundred and seventeen members in good standing. The primary purpose is to promote scientific research. The constitution provided for the nomination of two sections - A includes the physical sciences and B the biological sciences. On October 2nd, 1928, section C was formed to include political economy and psychology. There was a general committee, a Secretary and a Treasurer, each section has a Chairperson and a Secretary. In 1939 a Librarian was elected. At the

**UNIVERSITY OF ALBERTA**

**ARCHIVES**

ACCESSION NO. 69-82-53c2

REFERENCE NO. Reference Shelf.

UNIVERSITY LIBRARY  
UNIVERSITY OF ALBERTA

The History  
of  
The Science Association  
of the  
University of Alberta  
1919 - 1952

The Science Association was formed as a natural development of the Mathematical Club. This club was in existence before the first world war, having been organized in 1913. With the great increased interest in research that resulted from the war it was felt that an organization of wider scope was desirable. The first meeting was held on November 25th, 1919. There were twenty-three charter members. At present there are one hundred and seventeen members in good standing. The primary purpose is to promote scientific research. The constitution provided for the organization of two sections - A includes the physical sciences and B the biological sciences. On October 22nd, 1924, section C was formed. It includes political economy and psychology. There were a general President, a Secretary and a Treasurer. Each section had a Chairman and a Secretary. In 1924 a Librarian was elected. All the

officers constitute the executive. At the meeting of April 14th, 1925, the incoming executive was instructed to revise the constitution and bring it up to date. On March 11th, 1926, the new constitution was adopted. During the session of 1947 - 1948 a Vice-President was added to the general officers. The first president was Mr. R.W. Boyle, the secretary was Mr. J.B. Collip and the treasurer Mr. A.E. Cameron. Mr. I.F. Morrison has filled the office of librarian since its inception.

On October 3rd, 1940, the constitution was amended in order to make provision for honorary members. Distinguished members of the Association and non-members who have contributed in outstanding fashion to science may be elected to honorary membership.

There are at least two general meetings each year; one in the Autumn shortly after the beginning of the academic year and one in the Spring shortly before its end. Sections A and B usually hold four meetings each during the session and Section C two meetings. At a general meeting in the Autumn the incoming president delivers an address on some aspect of his own scientific field. The sectional meetings are intended for the presentation of research upon which the speaker is engaged or which he has completed recently. Time is provided for discussion of the paper.

The first meeting of section A was held on January 8th, 1920, under the chairmanship of Mr. S.D. Killam. The secretary was Mr. I.F. Morrison. A paper was read by

Mr. Stanley Smith on the subject of Aeroplane Testing. Twenty-five members attended. Section B held its first meeting on November 25th, 1919, at which time Mr. F.J. Lewis was chosen as chairman and Mr. E.N. Collins as secretary. The first paper presented in this section was on the subject of Osmotic Pressure. It was given by Mr. J.B. Collip on December 16th, 1919. There were seventeen members present.

For the first ten years all meetings were held in room 111 of the Arts Building. The room was then required for another purpose and on October 10th, 1929, the Association moved to room 142, one of the amphitheatres in the Medical Building. Tea is served before the meeting.

In the Spring of 1933 an "excursion" was held. This consisted of visits to a number of departments where equipment and demonstrations were set out. This proved to have several disadvantages. It was somewhat awkward as well as time consuming to go about from building to building, the members became scattered, and it was particularly unsatisfactory for those who wished to explain a demonstration. It was then decided to try having exhibits on display at a meeting in the Spring. Each exhibitor was allowed a short time to explain his demonstration after which it could be studied at leisure by those interested. This was so successful that it has been continued ever since as an annual exhibits meeting held in the Spring, and usually a week before the business meeting.

The Science Association has always maintained a close and friendly relationship with the Research Council appointed by the Provincial Government. The research laboratory is located on the campus and the members of its staff are members of the Association. The director of the laboratory has been secretary of the Provincial Research Council as well as an active member of the Science Association. The Association has continually brought to the attention of the Provincial Government the desirability of fostering research.

Furthermore, the Association has established a fund which may be drawn upon to assist research in various departments of the University. The conditions under which grants-in-aid may be made are stated in a set of resolutions in the general minutes.

In 1933 it was decided that it would be desirable to make an attempt to bring to the attention of the public the fact that scientific problems of various kinds were always being investigated at the University. It was hoped to develop a closer contact of the people of the community with the University and to interest them in it. The first approach was by lectures. On November 29th, 1939, E.H. Strickland, Professor of Entomology, delivered a lecture entitled "Insects and Public Health." This was repeated in Calgary. The attendance in Edmonton was fair but in Calgary it was disappointing, and it was decided to confine any future lectures to Edmonton. A lecture on "Electricity" was given by E.G. Cullwick, Professor of

Electrical Engineering, on February 21st, 1940, and in 1941 L.H. Nichols, Assistant Professor of Physics, spoke on the subject of "Weather Wisdom." On November 26th, 1941, a public lecture on "Scientific Research a Natural Resource" was given by R. Newton, Dean of Agriculture. The response of the public was disappointing and the lectures were discontinued.

In the meantime two groups of radio talks had been given from the University's radio station. The first of these went on the air during the winter of 1939-40 on the general subject of "Scientific Research and Human Welfare." There were four talks in the series - the first taking the form of an introduction by K.A. Clark, Professor of Metallurgy. After this I.F. Morrison, Professor of Applied Mechanics, K.W. Neatby, Professor of Genetics and Plant Breeding, and E.H. Boomer, Professor of Chemical Engineering, each spoke on the relation between his own special field and the general topic. Another series of four talks by radio was given during the session of 1940-41. The first speaker was L.B. Pett, Lecturer in Biochemistry, who chose as his topic "What Can You Believe About Vitamins?" He was followed by Wm. Rowan, Professor of Zoology, speaking on "Game Resources." R.M. Hardy, Assistant Professor of Civil Engineering, then discussed "Highway Research" and the series was concluded by F. Owen, Professor of Modern Languages, who presented "The Background of Social Studies." The demands on the teaching staff created by the war had

now reached a point where it was inadvisable to impose any additional burdens and the talks came to an end.

During the session of 1947-48 the possibility of interesting the public in the scientific work of the University again came up for discussion. As a result it was decided to attempt a public science exhibition. This was held on the afternoon and evening of February 21st, 1948. Exhibits comprised various pieces of apparatus, many in operation, geological specimens, agricultural samples, and biological preparations. Some of the latter showed living organs functioning. The affair was a great success. The rooms in which it was held were crowded all the time. A large number of school teachers came and many brought their students. Men and women from every walk of life attended and showed eager interest. A similar exhibition was held on March 9th and 10th, 1951. There were sixty-two exhibits shown by twenty departments. The attendance was estimated to have been more than three thousand. It is now hoped to hold a public exhibition every second year with the usual private exhibition in the intervening year.

A number of distinguished guests have addressed the Association:

1932 - Professor Dejardin of the University of Lyons. His subject was "Photoelectric Cells."

1933 - Dr. J.M. Stagg, leader of the British Party of the Second International Polar Year Expedition, described

the collection of meteorological data.

1935 - Professor Julian Huxley spoke on "General Trends in Biology."

1935 - Dr. H.T. Gussow, Dominion Botanist, took as his subject "Botanic Gardens."

1941 - Dr. C.J. Mackenzie, Acting President of the National Research Council told of the war time activities of the Research Council.

1944 - Dr. H.T. Gussow reviewed the development of his department and the history of grain research.

1946 - Dr. N. Tinbergen, a member of the staff of the Department of Experimental Zoology, University of Leiden, described his experimental work on instinctive behaviour in animals.

1946 - Dr. R.A. Peters, Professor of Biochemistry, Oxford University, was a speaker. Dr. Peter's subject was "The Significance of Biochemical Lesions."

1947 - Dr. Leopold Infeld of the University of Toronto, at a meeting sponsored by the Science Association, addressed the students on "The Structure of the Universe."

1948 - Dr. Paul Gagnon, Professor of Chemistry, Laval University, and President of the Chemical Institute of Canada gave an address on "Synthetic Organic Chemistry."

1951 - Dr. D.C. Martin, Assistant Secretary of the Royal Society took as his subject "The Royal Society."

There have been twenty-five honorary members of the Science Association of whom twenty are now living.

The deceased honorary members are:

Harcourt, George, Head of the Department of Horticulture.

Marker, C.P., Professor of Dairying.

Shipley, John W., Professor of Chemistry.

Tory, Henry Marshall, first President of the University.

Wates, Cyril G., honored for his outstanding contribution to astronomy.

The present honorary members are:

Allan, John A., Emeritus Professor of Geology.

Boyle, Robert W., formerly Professor of Physics and first Dean of Applied Science.

Burgess, Cecil S., Emeritus Professor of Architecture.

Collip, J.B., formerly Professor of Biochemistry.

Downs, Ardrey W., Emeritus Professor of Physiology and Pharmacology.

Fryer, J.R., formerly Professor of Genetics.

Hughes, Winnifred, formerly Associate Professor of Zoology.

Lang, R.J., formerly Professor of Physics.

MacGibbon, D.A., formerly Professor of Political Economy.

McLeod, Hector J., formerly Professor of Electrical Engineering.

Newton, Robert, formerly Professor of Field Crops and Plant Biochemistry. Dean of Agriculture and fourth President of the University.

Ower, John J., Emeritus Professor of Pathology and second Dean of Medicine.

Pitcher, Norman C., Emeritus Professor of Mining Engineering.

Rankin, Allan C., Emeritus Professor of Bacteriology and first Dean of Medicine.

Revell, D.G., Emeritus Professor of Anatomy.

Sackville, J.P., formerly Professor of Animal Husbandry.

Stansfield, Edgar, formerly Research Professor.

Wallace, R.C., second President of the University.

West, A., formerly Bursar of the University.

Wilson, R.S.L., Emeritus Professor of Civil and Municipal Engineering.

When Mr. J.B. Collip left the University of Alberta to assume the post of Professor of Biochemistry at McGill University the Association had his collected papers bound and presented them to the University library. Likewise, subsequent to the untimely death of Mr. H.R. Webb, while engaged on a survey in the Rocky Mountains, his weather charts were bound and placed in the University library.

The numbers of meetings that have been held to March 20th, 1952, are:

General (regular)	95
General (special)	21
Section A	151
Section B	154
Section C	54

Compiled by  
A.W. Downs

With the generous assistance of  
I.F. Morrison

General Officers

	President Vice President	Secretary Treasurer
1919-20	R.W. Boyle	J.B. Collip A.E. Cameron
1920-21	I.F. Morrison	F.A. Wyatt A.E. Cameron
1921-22	S. Smith	J.W. Campbell Miss M. Patrick
1922-23	F.J. Lewis	J.W. Campbell C.A. Robb
1923-24	J.W. Campbell	E.H. Strickland H.J. McLeod
1924-25	H. Lehmann	W. Rowan R. Newton
1925-26	A.W. Downs	H.R. Webb R.L. Rutherford
1926-27	E.H. Strickland	R.J. Lang R.F. Shaner
1927-28	J.H. Allan	J.D. Newton O.J. Walker
1928-29	W. Rowan	E.H. Boomer N.M. Stover
1929-30	H.J. McLeod	A.W. Matthews H.R. Webb
1930-31	R.F. Shaner	J.M. Cassels R.B. Sandin
1931-32	O.J. Walker	W.E. Cornish E.H. Moss
1932-33	F.A. Wyatt	G.B. Taylor W.A. Lang
1933-34	E. Stansfield	W.D. MacFarlane R. Philip
1934-35	E.H. Moss	E.H. Gowan Miss H.I. Milne

1935-36	J.W. Shipley	J.W. Porteous G.B. Sanford
1936-37	J.R. Fryer	W.C. Broadfoot L.H. Nichols
1937-38	R.J. Lang	Miss W. Hughes M.W. Cormack
1938-39	G. Hunter	R.M. Hardy J. Ferguson
1939-40	K.A. Clark	V. Ignatieff M.M. Cantor
1940-41	J.D. Newton	H.E. Rawlinson E.H. Gowan
1941-42	E.H. Boomer	E.S. Keeping R.G.H. Cormack
1942-43	H.R. Thornton	J.L. Morrison W.W. Preston
1943-44	R.L. Rutherford	R.B. Miller E.O. Lilge
1944-45	A.W. Henry	W. Odynsky G.W. Govier
1945-46	R.M. Hardy	M.J. Huston H.E. Johns
1946-47	Miss W. Hughes	J.H. Whyte S.G. Davis
1947-48	P.S. Warren M.M. Cantor	D.B. Scott J. Tuba
1948-49	M.M. Cantor E.S. Keeping	R.N. McManus A.K. Brown
1949-50	E.S. Keeping A.G. McCalla	W.E. Harris B. Hocking
1950-51	A.G. McCalla J.W. Porteous	W.C. Stewart R.E. Folinsbee
1951-52	J.W. Porteous D.E. Smith	J.S. Thompson L.A. Thorsen

Section Officers

	A Chairman Secretary	B Chairman Secretary	C Chairman Secretary
1919-20	S.D. Killam I.F. Morrison	F.J. Lewis E.N. Collins	
1920-21	S. Smith A.D. Cooper	F.J. Lewis E.N. Collins	
1921-22	E. Stansfield R.J. Lang	A.W. Downs W. Rowan	
1922-23	A.E. Cameron O.J. Walker	A.C. Rankin R.F. Shaner	
1923-24	R.S.L. Wilson O.C. Bridgman	W. Rowan N.B. Eddy	
1924-25	N.C. Pitcher S.C. Morgan	J.B. Collip J.R. Fryer	J.M. MacEachran D.A. Macgibbon
1925-26	J.H. Allan G.B. Taylor	E.H. Strickland Miss W. Hughes	J. McDonald W.M. Drummond
1926-27	H.J. McLeod S.M. Blair	N.B. Eddy E.H. Moss	D.H. Macgibbon
1927-28	I.F. Morrison P.S. Warren	R.F. Shaner Miss S. Dowding	J. McDonald J.F. Day
1928-29	K.A. Clark L.H. Nichols	E.H. Moss A.W. Henry	J. McDonald J.M. Cassells

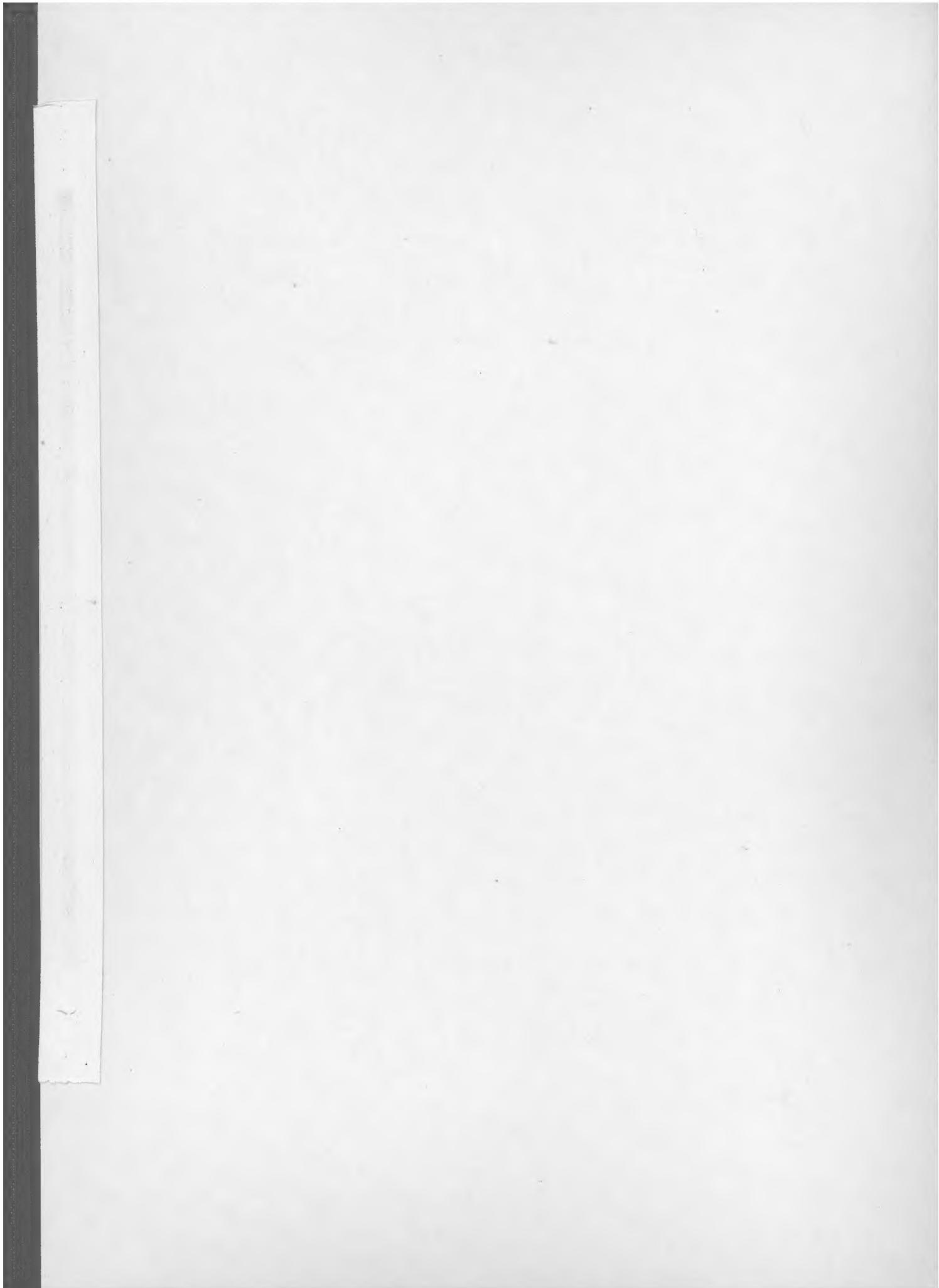
1929-30	O.J. Walker W.H. Lang	F.A. Wyatt G.B. Sanford	J.M. Cassels R. Phillip
1930-31	P.S. Warren W.E. Cornish	R. Newton Miss Chalkland	R. Phillip H.W. Hewetson
1931-32	E.S. Keeping K.C. Gilbert	G. Hunter Miss I. Milne	G.A. Elliott H.E. Smith
1932-33	R.L. Rutherford J.W. Forteous	Miss W. Hughes J. Ferguson	R. Phillip H.W. Hewetson
1933-34	J.W. Shipley E.H. Gowan	O.S. Aamodt J.R. Climenko	H.E. Smith H.W. Hewetson
1934-35	R.J. Lang R.M. Hardy	J.R. Fryer A.B. Brown	H.W. Hewetson G.H. Craig
1935-36	H.R. Webb A.J. Cook	W.D. MacFarlane M.K. McPhail	M.E. Lazerte G.A. Elliott
1936-37	J.W. Campbell N.M. Stover	H.R. Thornton M.M. Cantor	H.W. Hewetson A. Stewart
1937-38	A.J. Cook E.O. Lilje	A.W. Matthews V. Ignatieff	A. Stewart H.E. Smith
1938-39	E.H. Boomer E.G. Cullwick	J.D. Newton R.D. Sinclair	G.A. Elliott D.E. Smith
1939-40	W.E. Cornish W.A. Lang	A.W. Henry M.W. Cormack	D.E. Smith F. Owen
1940-41	E.G. Cullwick I.F. Morrison	G.B. Sanford R.B. Miller	F. Owen W.H. Johns

1941-42	L.H. Nichols J.S. Charlesworth	M.M. Cantor A.G. McCalla	W.H. Johns K.F. Argue
1942-43	J.W. Porteous G.W. Govier	H.E. Rawlinson F.S.B. Rodman	H.W. Hewetson E.J.H. Greene
1943-44	W.A. Lang S.G. Davis	A.G. McCalla W.L. Dunkley	G.A. Elliott C.C. Spence
1944-45	J.L. Morrison L.A. Thorssen	<sup>R.G.M.</sup> <del>W.M.</del> Cormack J. Tuba	C.C. Spence A. Stewart
1945-46	E.O. Lille A.D. Hogg	R.B. Miller L.W. McElroy	K.F. Argue H.W. Hewetson
1946-47	G.O. Langstroth J. Gregory	W.C. Broadfoot J.A. Romeyn	D.E. Smith F.M. Salter
1947-48	L.A. Thorssen W.E. Harris	J. Bowsted B. Hocking	F.M. Salter E.J. Hansen
1948-49	J.E. Harle R.E. Follinsbee	W. Odynsky W.C. Stewart	H.B. Mayo A.M. Mardiros
1949-50	G.W. Govier L.E. Gads	M.J. Huston J.E. Moore	A.M. Mardiros T. Wise
1950-51	H. Grayson-Smith R.C. Jacka	H.B. Collier J.H. Stirrat	D.E. Smith J.R.S. Jurgens
1951-52	M. Wyman A.L. Scott	H.V. Rice A.R. Robbie	E.J. Hanson D. Spearman



**DATE DUE SLIP**

F255 FOR LIBRARY USE ONLY.



University of Alberta Library



0 1620 0581 4817